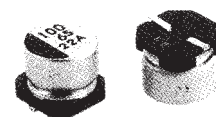


FEATURES

- 105°C, 2000 hours assured
- Low Impedance
- Replaces RVH Series
- RoHS Compliant



SPECIFICATIONS

| Item | Performance | | | | | | | | | | |
|--|--|--|-----------------------------------|------|--------|------|---|-----------------------------------|---|--|--|
| Operating Temp. Range | -55°C ~ + 105°C | | | | | | | | | | |
| Capacitance Tolerance | ± 20% (120Hz, 20°C) | | | | | | | | | | |
| Leakage Current (at 20°C) | I=0.01CV or 3µA (whichever is greater) after 2 minutes, where C=rated capacitance in µF V=rated DC working Volts | | | | | | | | | | |
| Dissipation Factor | Rated Voltage | 6.3 | 10 | 16 | 25 | 35 | | | | | |
| | Tan δ (max) | 0.30 | 0.26 | 0.22 | 0.16 | 0.13 | | | | | |
| Low Temperature Characteristics (at 120Hz) | Rated Voltage | | | 6.3 | 10 | 16 | 25 | 35 | | | |
| | Impedance Ratio | Z(-25°C) / Z(+20°C) | | | 4 | 3 | 2 | 2 | 2 | | |
| | | Z(-40°C) / Z(+20°C) | | | 8 | 5 | 4 | 3 | 3 | | |
| Life Test | Test Time | | Load Life | | | | | Shelf Life | | | |
| | | | 2000 Hrs | | | | | 1000 Hrs | | | |
| | Capacitance Change | | Within ±20% of initial value | | | | | Within ± 20% of initial value | | | |
| | Dissipation Factor | | Less than 200% of specified value | | | | | Less than 200% of specified value | | | |
| | Leakage Current | | Within specified value | | | | | Within specified value | | | |
| Test Conditions | | 20°C (after rated voltage applied for 2000 hours at 105°C) | | | | | 20° C (after storage for 1000 hours at 105°C without voltage) | | | | |
| Ripple Current & Frequency Multipliers | VDC(V) \ Freq. (Hz) | 50,60 | 120 | 1K | 10K up | | | | | | |
| | 6.3 ~ 35 | 0.64 | 0.8 | 0.93 | 1.0 | | | | | | |
| Standards | Satisfies Characteristic W of JIS C 5141 | | | | | | | | | | |

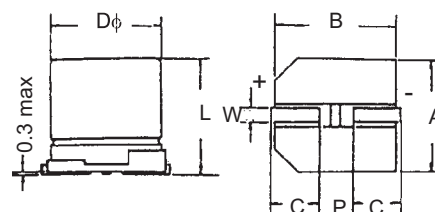
DIMENSION, IMPEDANCE & PERMISSIBLE RIPPLE CURRENT

Ripple Current mA/rms at 120 Hz, 105°C
 Impedance: at 100K Hz, 20°C

| µF | Contents | 6.3V (0J) | | 10V (1A) | | 16V (1C) | | 25V (1E) | | 35V (1V) | |
|------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | | φD x L | Imp. mA | φD x L | Imp. mA | φD x L | Imp. mA | φD x L | Imp. mA | φD x L | Imp. mA |
| 47 | 470 | | | | | | | | | 8 x 10 | 0.45 369 |
| 100 | 101 | | | | | | | 8 x 10 | 0.45 369 | 10 x 10 | 0.25 553 |
| 150 | 151 | | | | | | | | | 8 x 10 | 0.45 369 |
| 220 | 221 | | | 8 x 10 | 0.45 369 | | | 10 x 10 | 0.25 553 | | |
| | | | | | | | | 8 x 10 | 0.45 369 | | |
| 330 | 331 | 8 x 10 | 0.45 369 | | | 10 x 10 | 0.25 553 | | | | |
| | | | | | | 8 x 10 | 0.45 369 | | | | |
| 470 | 471 | 8 x 10 | 0.45 369 | 10 x 10 | 0.25 553 | 8 x 10 | 0.45 369 | | | | |
| | | | | 8 x 10 | 0.45 369 | | | | | | |
| 820 | 821 | | | 10 x 10 | 0.25 553 | | | | | | |
| 1000 | 102 | 10 x 10 | 0.25 553 | | | | | | | | |

PAD SPACING AND DIAMETER

| φ D±0.5 | L | A±0.2 | B±0.2 | C±0.2 | W | P±0.2 |
|---------|--------|-------|-------|-------|------------|-------|
| 8 | 10±0.5 | 8.4 | 8.4 | 3.0 | 0.7 to 1.1 | 3.1 |
| 10 | 10±0.5 | 10.4 | 10.4 | 3.3 | 0.7 to 1.1 | 4.7 |



PART NUMBER EXAMPLE VEH 470 M 1V TR 080 100